What is claimed is:

- An emitter composition of a field emission cell, comprising a carbon nanotube, a binder, glass frit, a
 dispersing agent, and an organic solvent, wherein the emitter composition further comprises 0.1-20 wt% of diamond, based on a weight thereof.
- 2. The emitter composition as defined in claim 1, 10 wherein the carbon nanotube is used in an amount of 2-20 wt%, based on the weight of the composition.
- 3. The emitter composition as defined in claim 1, wherein the binder is used in the amount of 40-70 wt%, based on the weight of the composition.
 - 4. The emitter composition as defined in claim 1, wherein the glass frit is used in the amount of 2-20 wt%, based on the weight of the composition.

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- 5. The emitter composition as defined in claim 1, wherein the dispersing agent is used in the amount of 1-5 wt%, based on the weight of the composition.
- 25 6. The emitter composition as defined in claim 1,

wherein the organic solvent is used in the amount of 1-5 wt%, based on the weight of the composition.

- 7. The emitter composition as defined in claim 1, 5 wherein the organic solvent is selected from the group consisting of terpineol, butyl carbitol acetate, butyl carbitol, and mixtures thereof.
- 8. The emitter composition as defined in claim 2, 10 wherein the organic solvent is selected from the group consisting of terpineol, butyl carbitol acetate, butyl carbitol, and mixtures thereof.
- 9. The emitter composition as defined in claim 3,
 15 wherein the organic solvent is selected from the group consisting of terpineol, butyl carbitol acetate, butyl carbitol, and mixtures thereof.
- 10. The emitter composition as defined in claim 4,
 20 wherein the organic solvent is selected from the group
 consisting of terpineol, butyl carbitol acetate, butyl
 carbitol, and mixtures thereof.
- 11. The emitter composition as defined in claim 5, 25 wherein the organic solvent is selected from the group

consisting of terpineol, butyl carbitol acetate, butyl carbitol, and mixtures thereof.

- 12. The emitter composition as defined in claim 6, 5 wherein the organic solvent is selected from the group consisting of terpineol, butyl carbitol acetate, butyl carbitol, and mixtures thereof.
- 13. The emitter composition as defined in claim 1, 10 wherein the diamond comprises powders each having a size not larger than 6 μm .
 - 14. A method of manufacturing an emitter composition of a field emission cell, comprising:
- introducing a carbon nanotube, a binder, glass frit, a dispersing agent, and an organic solvent into a mixer, to obtain a first pre-mixture;

further adding 0.1-20 wt% of diamond, based on a weight of the composition, to the first pre-mixture, to obtain a second pre-mixture; and

stirring the second pre-mixture by use of a stirrer equipped in the mixer for 1-3 hours, to prepare a paste type mixture.

25 15. A field emission cell, comprising an emitter

composition manufactured by the method of claim 9 and then printed to be a thick film.